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SPECIFICATION

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SEALING MATERIAL

TECHNICAL FIELD

The present invention relates to a sealing material and more particularly a sealing material for use as cam cover seals and oil pan seals for automobile engines, fuel cell cooling medium seals, automobile wire harnesses seals, HDD cover gasket or vibration-insulating HDD cover gasket seals etc.

BACKGROUND ART

(1) Automobile engine cams are usually provided with cam covers for protecting cams in such a manner as if covers were placed on the engine blocks to prevent intrusion of dusts, etc. from the outside or to prevent scattering of lubricating oil from the inside, where sealing materials for sealing the gaps between the engine blocks and cam covers are used as cam cover sealing materials.

Cam cover sealing materials so far used in such applications comprise an acrylic rubber having a Duro A hardness of 60 ~ 80. However, due to the recent demands for energy saving, lighter weight, etc. cam cover materials are now shifting from metallic materials to resin materials. In case of metallic cam covers, ordinary rubber seals having a rather higher hardness can maintain a satisfactory sealing performance, but in case of cam covers of resin materials, the ordinary rubber seals undergo deformation of resin materials due to the sealing surface pressure, resulting in such inconveniences as leakage from the seals, etc. Such